

## ABSTRACT

A method for positioning a patient or detecting a target volume in radiotherapy or radiosurgery includes positionally referencing at least one implant in the vicinity of the target volume and inductively stimulating the at least one  
5 implant. Emission from the at least one inductively stimulated implant is detected and a position of the at least one implant is determined based on the detected emission. The current position of the target volume is determined based on the determined position of the at least one implant. Further diagnostic,  
10 two-dimensional or three-dimensional image data sets can be recorded in accordance with breathing.

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